

AMENDMENTS TO THE DRAWINGS

IN THE DRAWINGS:

Please amend FIGURES 7A and 7B of the DRAWINGS of the present Application, as follows:

1. FIGURE 7A: DELETE *reference number 28* and associated *lead lines*, which are positioned below and to the left of element **200a**; AND *reference number 64* and associated *lead lines*, which are positioned above and to the right of element **120a**.

2. FIGURE 7B: DELETE *reference number 38* and associated *lead lines*, which are positioned below and to the right of element **200h**; AND *reference number 82* and associated *lead lines*, which are positioned above and to the left of element **120h**.

In compliance with 37 CFR 1.121(d), and in full conformance with 37 CFR §1.84, Applicants provide herewith a REPLACEMENT sheet for EACH of FIGURES 7A and 7B.

To facilitate identification and entry of the foregoing amendment to the drawings, a MARK-UP sheet for EACH of FIGURES 7A and 7B is included, with the amendments circled in RED.

REMARKS

I. GENERAL

In the Office Action, Claims 15-24 were pending in the present Application, of which Claims 15-24 stand finally rejected. Claims 16 and 20 are hereby CANCELLED without prejudice. Thus, Claims 15, 17-19, and 21-24, and 28 currently are pending in the present Application.

By this response, Applicants amend Claims 15, 19, 21, 23, and 24 to place the Claims in better condition for appeal or, in the alternative, in condition for allowance. These amendments are supported in the written specification and in the drawings, and thus, no new matter is added to the Application.

A complete and detailed response follows herewith.

II. OBJECTIONS

A. CORRECTIONS

Responsive to the Objections made by the Examiner to the informalities identified in the Specification, Applicants amend the Specification:

- On p. 25, Equation (1) is amended to include an "equal sign";
- On p. 26, the specification is amended to remove the inconsistency represented by the recitation of "Table 7" and to correct the pertinent recitation to include "Table 5";
- On p. 29, Equation (2) is amended to replace the recitation of "V1" with " α ";
- On pp. 30-31, recitations of "V8" in Equation (3) and in the preceding paragraph are replaced with " α ".

B. TRAVERSALS

On Page 3 of the *Action*, the Examiner states

"Applicants fail to point out the significant differences between the conventional PCB and the shrinkage PCB. The conventional PCB and the shrinkage PCB both have thermal expansion."

In reply, Applicants respectfully traverse the Examiner's assertion. To pick a few, non-inclusive examples of significant differences Applicants bring the Examiner's attention to the Specification, as filed, from line 3, page 17 to line 3, page 21, and with regard to FIG. 11, in which the significant differences between the conventional PCB and the shrinkage PCB are clearly stated.

Applicants respectfully request that the Examiner reconsider and withdraw the objections in light of the amendments to the specification, the drawings, and the claims.

III. REJECTIONS

A. REJECTIONS UNDER 35 U.S.C. §112 (INDEFINITENESS)

Claims 15-24 are rejected under 35 U.S.C. §112, first paragraph, as failing to comply with the written description requirement. The Examiner states: "[t]he claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. ... Therefore, [the] features in claims 15, 19 and 23 consider as New Subject Matter."

In reply, Applicants' believe that the foregoing amendments to Claims 15, 19, and 23 properly amend the Claims such that the claimed subject matter is described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Support for these amendments, as well as for the amendments made to the Specification and the Drawings may be found throughout the present Application itself, *without adding new matter*. Thus, Applicants submit that the rejections to Claims 15, 17-19, and 21-24 have been rendered moot, and respectfully request that the Examiner reconsider and withdraw the foregoing rejections 35 U.S.C. §112, first paragraph.

B. REJECTIONS UNDER 35 U.S.C. §102(b) (ANTICIPATION)

(1) Within the context of the foregoing rejections, the Examiner advanced a conditional and speculative rejection of Claims 15-16 and 18-23 under 35 U.S.C. §102(b), on the following grounds:

In the event that the applicants argue that the above §112, 1st paragraph rejection is inappropriate because the invention is inherent in the disclosure, the following rejections in view of admitted prior art are appropriate:

* * *

Claims 15-16 and 18-23 are rejected under 35 U.S.C. §102(b) as being anticipated by the conventional art admitted by applicants ...

The Examiner makes clear that the only condition that is both *necessary and sufficient* for a prima facie case of anticipation to be made under 35 U.S.C. §102(b) is if the Applicants' argue that "*the above §112, 1st paragraph rejection is inappropriate because the invention is inherent in the disclosure.*"

In response, Applicants respectfully point out to the Examiner that Applicants' did not argue or adopt the conditional grounds for traversing the rejections under 35 U.S.C. §112, expressly or implicitly. Indeed, Applicants respectfully submit that there is no need to make such argument, because the amendments made herein to the present Application serve to correct and harmonize the offending portions of the disclosure and claims with pre-existing subject matter in the present Application, to which the Examiner does not object.

Because Applicants' arguments herein do not meet the sole requirement advanced by the Examiner to make the rejections to Claims 15-16 and 18-23 *appropriate*, Applicants respectfully submit that the rejections to Claims 15-16 and 18-23 under 35 U.S.C. §102(b) are moot and that no prima facie case for anticipation can be made. Thus, Applicants' respectfully request the Examiner to reconsider and to withdraw the rejections to Claims 15, 18, 19, 21-23 under 35 U.S.C. §102(b).

IV. CONCLUSION

Accordingly, Applicants respectfully submit that amended Claims 15, 19, 21, 23 and 24, and previously present Claims 17, 18, and 22 are in proper form for allowance. No new matter has been added by the foregoing amendments. Furthermore, no new search is warranted because the scope of the present claims, as amended, is fully within the scope of previously presented Claims and within the previous searches made of record. Reconsideration and withdrawal of objections and the rejections are respectfully requested and a timely Notice of Allowance for all claims is kindly solicited.

If there are any questions regarding any aspect of the application, please call the undersigned at (949) 752-7040.

Certificate of Transmission

I hereby certify that this correspondence is being sent via First Class Mail to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date stated below.


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October 2, 2006

Respectfully submitted,



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FIG. 7A

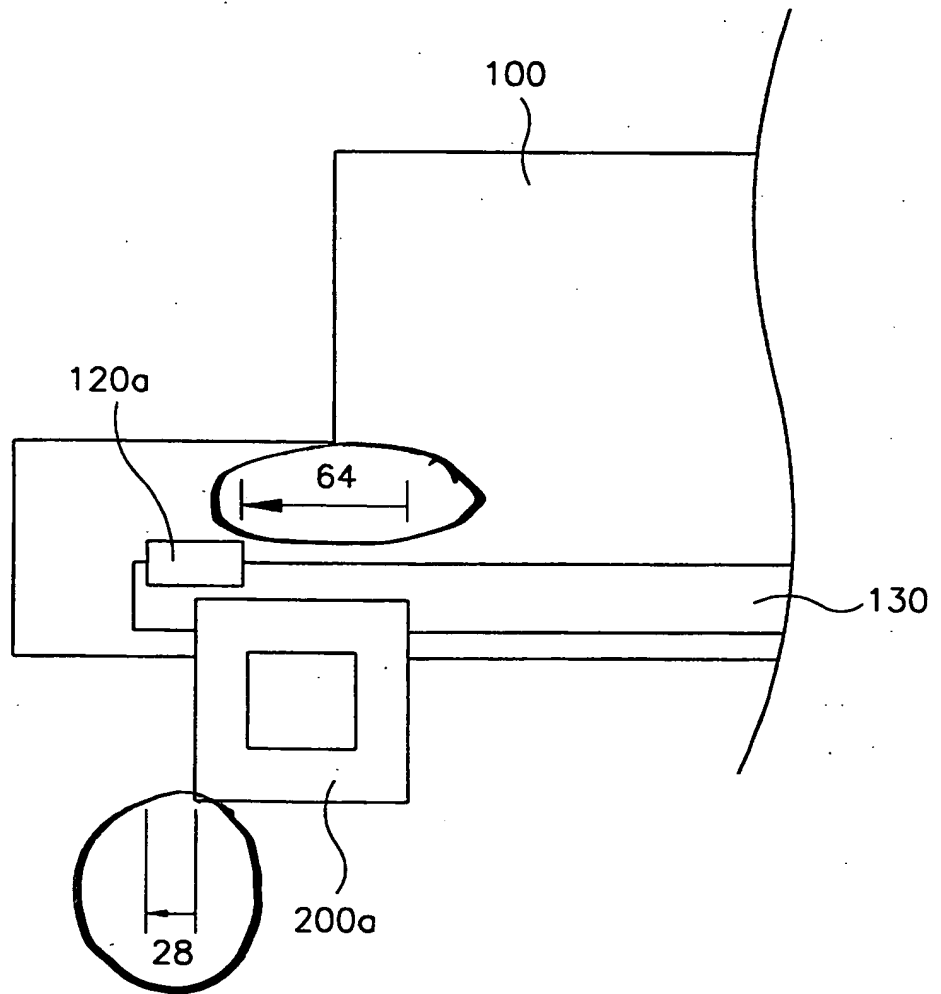


FIG. 7B

